

DNA: 5'-GTG CAG GCT ACT CAG TCT AAT CAG CAT ACG CCG CGG GGT GGA GGT TCG

AA: V Q A T Q S N Q H T P R G G G S
 [] Mimetic Sequence [] Spacer

Figure 1

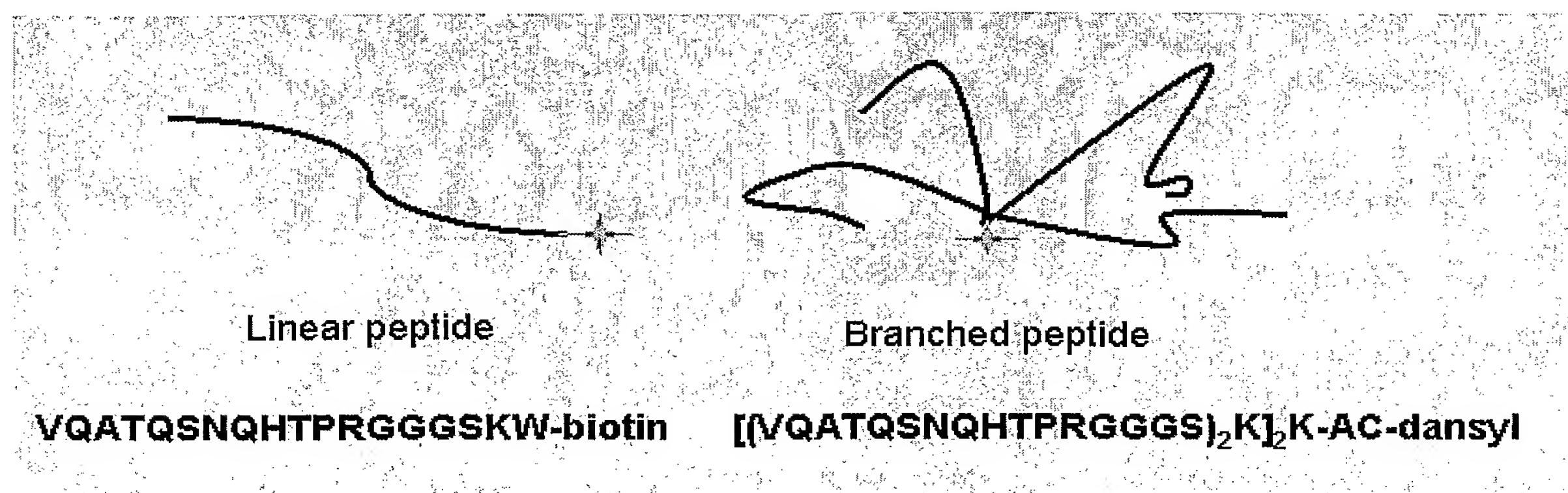


Figure 2

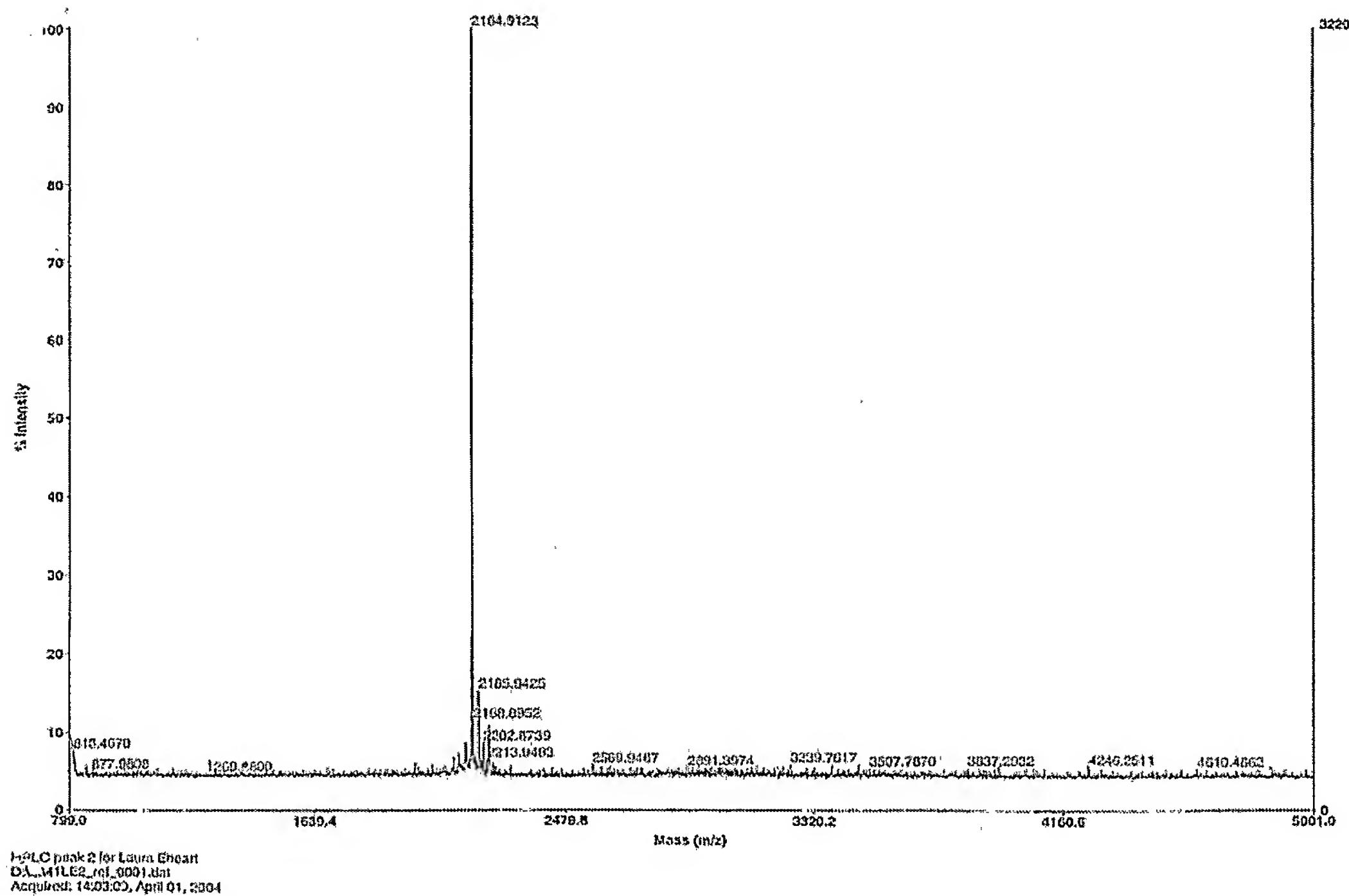


Figure 3

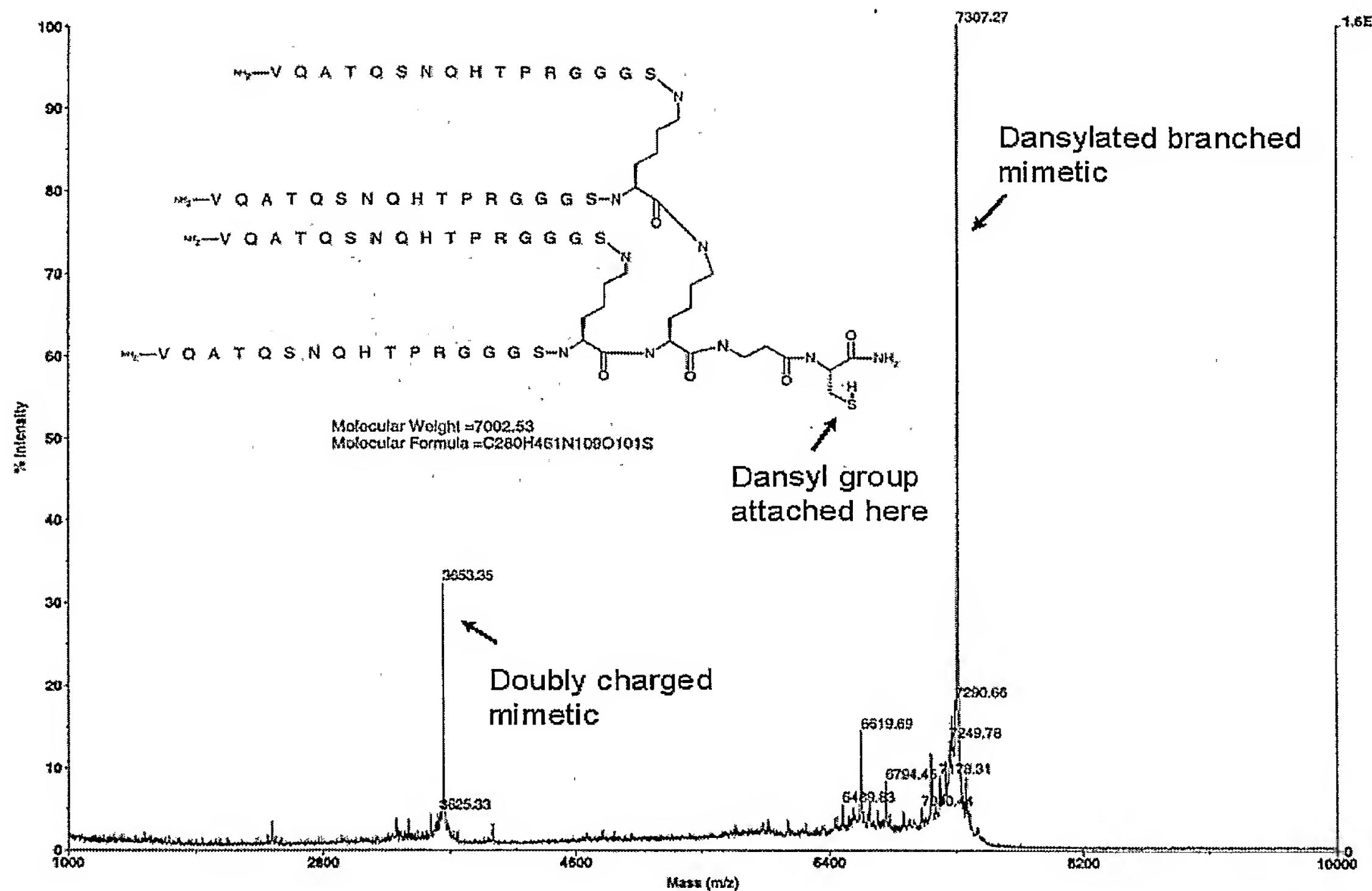


Figure 4.

**5-(((2-iodoacetyl)amino)ethyl)amino)naphthalene-1-sulfonic acid
(1,5-IAEDANS)**

Molecular Formula: C₁₄H₁₅IN₂O₄S

Molecular Weight: 434.25

CAS Number/Name: 36930-63-9 / 1-Naphthalenesulfonic acid,
5-((2-((iodoacetyl)amino)ethyl)amino)-

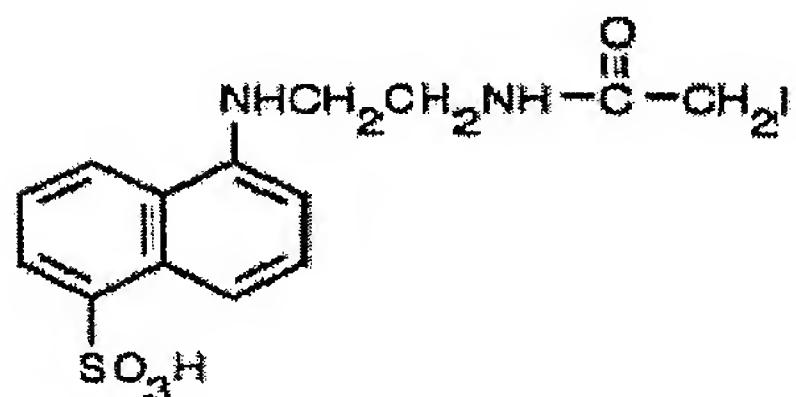


Figure 5

Amino acid sequence of polypeptide encoded in sequence in capital letters in A.

Met

LCADYSENTFTEYKKKLAERLAKLPDATPQATQSNQHTPRGGGSELAKL
VNKHSDFASNCCSINSPPPLYCDSEIDAELKNILHHHHHH

Figure 6

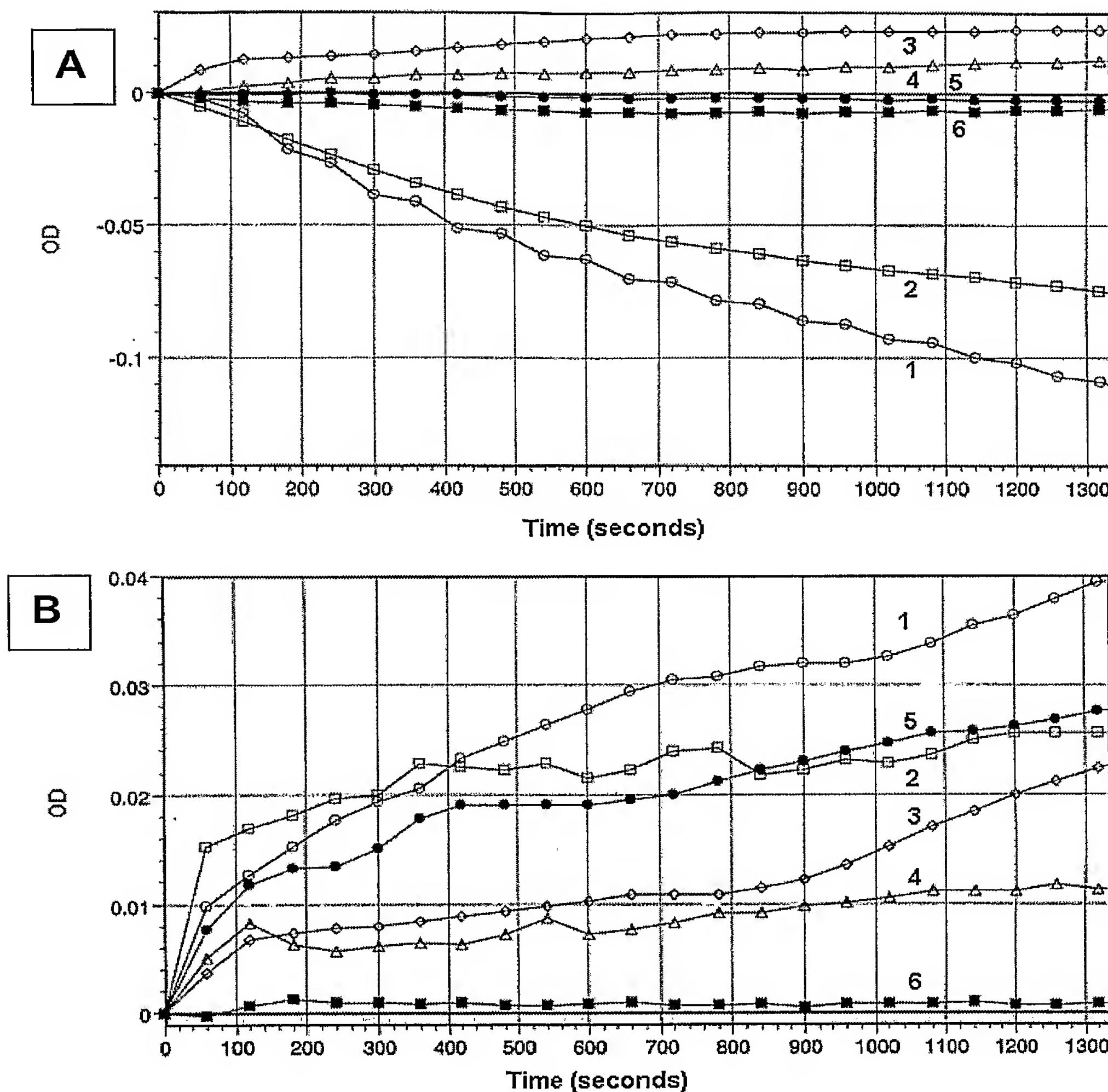
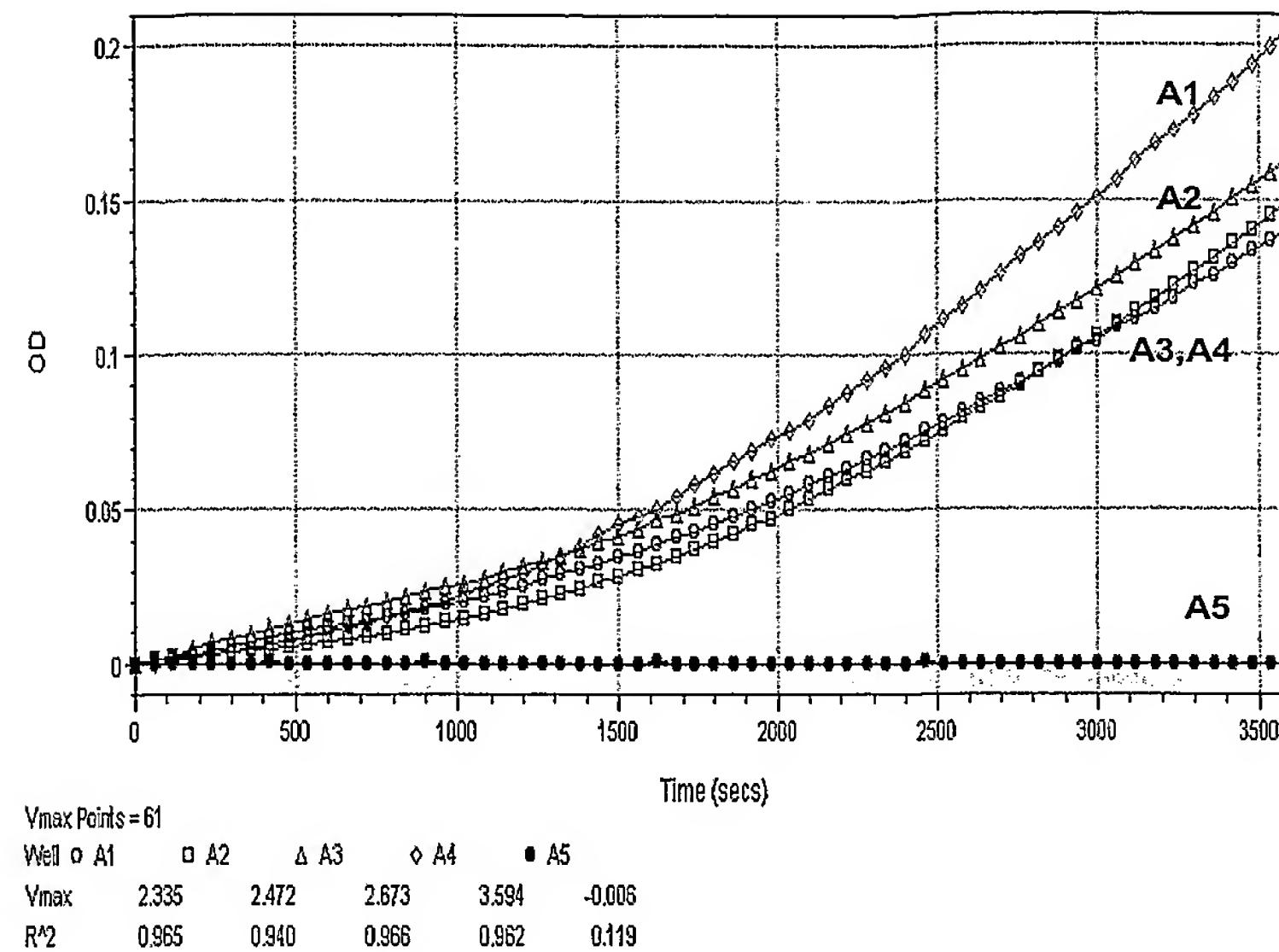


Figure 7

**Figure 8**

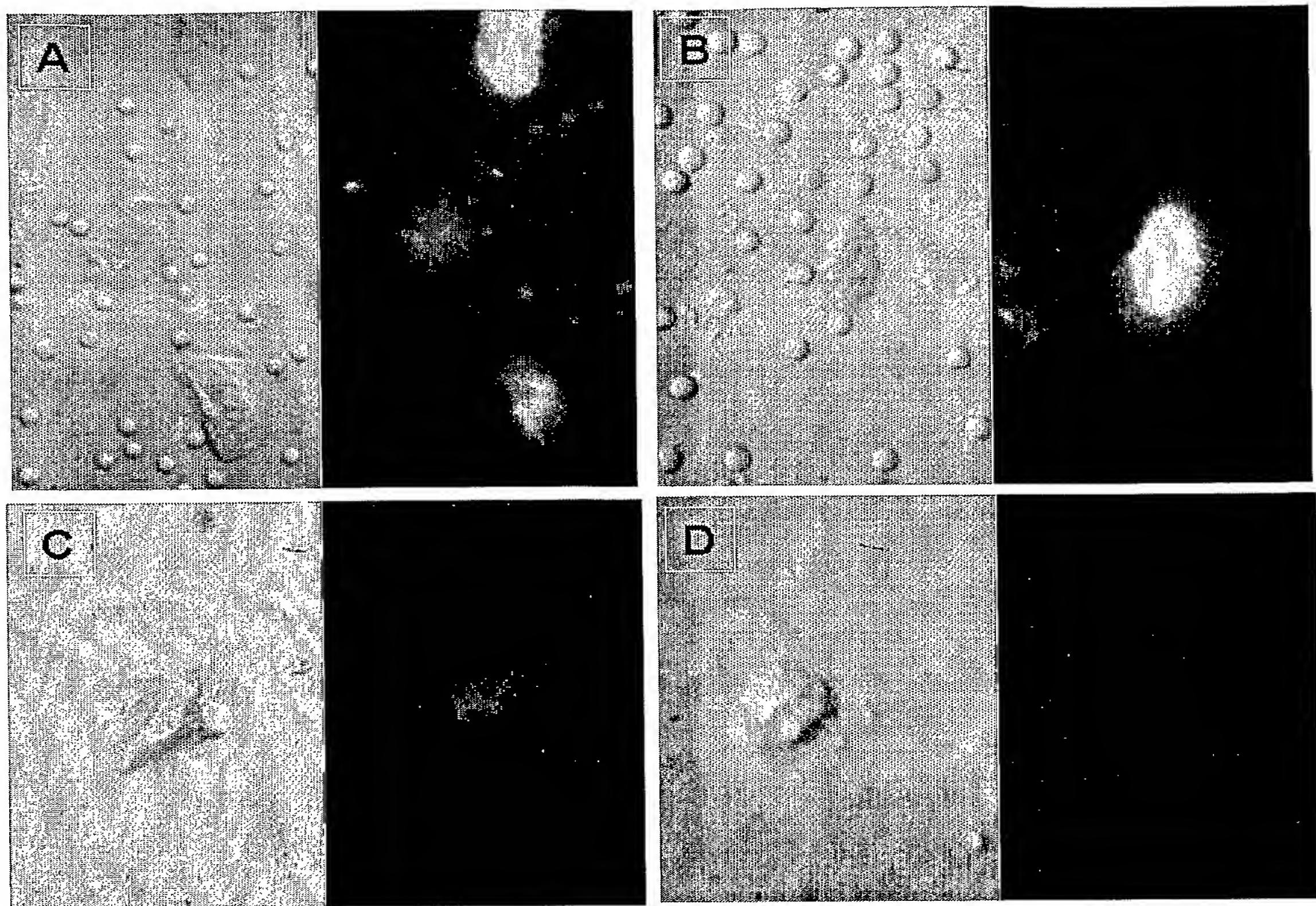


Figure 9

SEQ ID NO: 29

Leu Cys Ala Asp Tyr Ser Glu Asn Thr Phe Thr Glu Tyr Lys Lys Lys

1 5 10 15

Leu Ala Glu Arg Leu Lys Ala Lys Leu Pro Asp Ala Thr Pro Gln Ala

20 25 30

Thr Gln Ser Asn Gln His Thr Pro Arg Gly Gly Ser Glu Leu Ala

35 40 45

Lys Leu Val Asn Lys His Ser Asp Phe Ala Ser Asn Cys Cys Ser Ile

50 55 60

Asn Ser Pro Pro Leu Tyr Cys Asp Ser Glu Ile Asp Ala Glu Leu Lys

65 70 75 80

Asn Ile Leu

Figure 10

SEQ ID NO:31

Met Leu Cys Ala Asp Tyr Ser Glu Asn Thr Phe Thr Glu Tyr Lys Lys
1 5 10 15

Lys Leu Ala Glu Arg Leu Lys Ala Lys Leu Pro Asp Ala Thr Pro Gln
20 25 30

Ala Thr Gln Ser Asn Gln His Thr Pro Arg Gly Gly Ser Glu Leu
35 40 45

Ala Lys Leu Val Asn Lys His Ser Asp Phe Ala Ser Asn Cys Cys Ser
50 55 60

Ile Asn Ser Pro Pro Leu Tyr Cys Asp Ser Glu Ile Asp Ala Glu Leu
65 70 75 80

Lys Asn Ile Leu His His His His His His
85 90

Figure 11